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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/025,126	12/18/2001	Antonius Adhi Wiryawan	5306.P075	3829

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EXAMINER
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WOO, ISAAC M

ART UNIT	PAPER NUMBER
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2162

DATE MAILED: 11/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/025,126

Applicant(s)

WIRYANWAN ET AL

Examiner

Isaac M Woo

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 26 July 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

### **DETAILED ACTION**

1. This action is in response to Applicant's Amendments, filed on July 26, 2004 have been fully considered but are deemed moot in view of new ground of rejections below.

2. Claims 1, 6 and 11 are amended. And claims 1-15 are pending.

### ***Response to Arguments***

3. Applicant argues, Remark filed on July 26, 2004, Zamanian does not teach or suggest "data from the source mapped being mapped to the destination". However, examiner does not agree. The system of Zamanian is for data mapping system that discloses, data source (701, 715, from fig. 7A) are being mapped (711, fig. 7A) to the destination (target field, 702, 714, fig. 7A, col. 7, lines 55-67 to col. 8, lines 1-65). Thus, Zamanian discloses, "data from the source mapped being mapped to the destination"

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Zamanian et al (U.S. Patent No. 6,014,670, hereinafter, "Zamanian") in view of Lindsay(U.S. Patent No. 6,694,338).

With respect to claims 1, 6 and 11, Zamanian discloses, defining a user-specified source (301, fig. 3a-e, 401, 402, fig. 4, col. 4, lines 50-67 to col. 5, lines 1-65) associated with data, the data stored in a structured environment and mapped to the user-specified source to enable retrieval (col. 4, lines 50-67 to col. 5, lines 1-65), wherein the user-specified source includes a source business component (fig. 7a, col. 7, lines 55-67 to col. 8, lines 1-65), and at least one source field (715, fig. 7a, col. 7, lines 55-67 to col. 8, lines 1-65); defining a destination to enable the data (303, fig. a-e, 407, 408, 409, fig. 4, col. 4, lines 50-67 to col. 5, lines 1-65) to be mapped thereto, wherein the destination includes, a destination business component (fig. 7a, col. 7, lines 55-67 to col. 8, lines 1-65), and at least one destination field (714, fig. 7a, col. 7, lines 55-67 to col. 8, lines 1-65); and mapping the data stored in the structured environment to the user-specified destination to enable retrieval, the data remaining mapped to the user-specified source, see (fig. 3a-e, fig. 4, fig. 6, col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67). Zamanina discloses, the source and target data filed, see (fig. 7a, col. 7, lines 55-67 to col. 8, lines 1-65). Zamanian discloses, a source and target business object, (the data structures are hierarchical form, such as form of, business object comprises business component, and business component comprises data filed.

And in order to map source data structure into target data structure, the root data should be mapped, which is business object). Zamanian does not explicitly disclose, physical storage location of the data in the data structured environment is unaltered. However, Lindsay discloses, "Users can apply mapping rules to meta data to map from a field under a virtual aggregate field in the source document to the relevant location(s) in the target document. A virtual aggregate field in a source document can be treated just like any other field. Whatever operations--move, or any other mapping rule that might be applied to other fields--apply to such fields", see (col. 3, lines 22-35), and "A transform is the code used by a translation engine to convert one concrete document to another. A transform is generated by applying mapping rules to the meta-data of the source and target documents. After the mapping rules and the meta data, including virtual aggregate fields, are defined, a transform can be automatically generated", see (col. 3, lines 22-35). The limitation of physical storage location of the data in the data structured environment is unaltered is interpreted as in the mapping of data in different data storage results in mapping data between different data storage (physical data storage, instead of virtual data storage) unchanged, which means that the data mapping is virtual mapping, not physical mapping. Lindsay teaches data mapping is virtual (unchanged physical storage), not physical. Therefore, it would have been obvious to a person having ordinary skill in the art at the time of the invention was made to modify Zamanian by incorporating physical storage location of the data in the data structured environment is unaltered with the system of Lindsay. Thus, one having ordinary skill in the art at the time the invention was made would have found it motivated to use such a combination

because that would provide Lindsay's system the enhanced virtual data mapping capability without changing data's physical location, which provides an efficient data manipulation in the data management system.

With respect to claim 2, Zamanian discloses, the source business object and the destination business object comprise different business objects, see (col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67).

With respect to claim 3, Zamanian discloses, the source business component comprises an active business component, see (col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67).

With respect to claim 4, Zamanian discloses, defining the source and defining the destination include identifying the source business object, the source business component, the at least one source field, the destination business object, the destination business component, and the at least one destination field via a user interface display comprising at least one form applet, see (fig. 8, display device, col. 17-18, lines 1-43).

With respect to claim 5, Zamanian discloses, mapping the data includes incorporating identifying data location information from the at least one source field into the at least one destination field, see (col. 8, lines 6-67 to col. 9, lines 1-67).

With respect to claim 7, Zamanian discloses, causing generation of a user interface display, the user interface display including a plurality of data fields corresponding to the source business object, the source business component, and the at least one source field, the plurality of data fields configured to receive a user input to specify the source, see (fig. 3a-e, fig. 4, fig. 6, col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67); and processing the user input to identify the data corresponding to identifying data location information associated with the at least one source field, see (fig. 3a-e, fig. 4, fig. 6, col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67).

With respect to claim 8, Zamanian discloses, incorporating identifying data location information associated with the at least one source field into the at least one destination field, see (col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67).

With respect to claim 9, Zamanian discloses, mapping the data to the user-specified destination includes causing generation of a user interface display, the user interface display including a plurality of data fields corresponding to the destination business object, the destination business component, and the at least one destination field, the plurality of data fields configured to receive a user input to specify the destination, see (col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67).

With respect to claim 10, Zamanian discloses, mapping the data to the user-specified destination includes mapping the data to the destination business object, wherein the destination business object comprises the source business object, see (col. 4, lines 50-67 to col. 5, lines 1-65, col. 6, lines 19-67).

With respect to claim 12, Zamanian discloses, relational database management system database, see (col. 3, lines 53-67 to col. 4, lines 1-20).

With respect to claim 13, Zamanian discloses, display interface, coupled to the processor, to communicate with a coupled display, the display interface capable to cause generation of a user interface display on the coupled display, the user interface display including a plurality of data fields corresponding to the source and destination business objects, the source and destination business components, the at least one source field, and the at least one destination field, the plurality of data fields configured to receive the user input of the source and the destination, see (col. 3, lines 53-67 to col. 4, lines 1-20).

With respect to claim 14, Zamanian discloses, the user interface display includes a plurality of form applets configured to receive a user input of source and destination information, see (col. 3, lines 53-67 to col. 4, lines 1-20).



With respect to claim 15, Zamanian discloses, the data field corresponding to the at least one source field may be populated with a field identifier defined in the source business component or a free-text calculated expression, see (col. 3, lines 53-67 to col. 4, lines 1-20).


**Conclusion**

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Isaac M Woo whose telephone number is (571) 272-4043. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John E Breene can be reached on (571) 272-4107. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

IMW  
November 15, 2004

  
ISAAC M. WOO  
PRIMARY EXAMINER